

STRASHUN, S.S., inzh.

Automated marine boiler-separator. Sudostreenerie 25 no.4:73 Ap '59.  
(MIRA 12:6)  
(Boilers, Marine)

STRASHUN, S.S.

Excavating machinery for the cleaning of waste disposal lagoons.  
Sakh.prom. 33 no.12:42 D '59. (MIRA 13:4)

(Kiev—Sugar industry—Equipment and supplies)  
(Sewage disposal)

STRASHUN, S., Inzh.

They will come from Kiev. Znan. ta pratsia no. 4.9 Ap '61.  
(MIRA 14:5)  
(Kiev--Dredging machinery)

STRASHUN, S.

Saving nonferrous metals at the "Leninskaja Kuznitsa" Plant.  
Mashinostroitel' no. 4:39 Ap '61. (MIRA 14:4)  
(Kiev—Machinery industry)

JTRASHUN, S., Inzh.

"Mniak" trawler. Znan.tta pratsia no.4:20 Ap '62. (MINA 15:4)  
(Trawls and trawling)

STRASHUN, S.S.

Diesel electric dredge pump. Biul.tekh.-ekon.inform.Gos.nauch.-  
issl.inst.nauch. i tekhn.inform. no.6142-43 '62. (MIRA 15:7)  
(Dredging machinery)

STRASHUN, S.S., Inzh.

One-hundred year anniversary of the "Leninskaja Kuznitsa."  
Sudostroenie 28 no.4:80 Ap '62. (MIRA 15:4)  
(Kiev--Shipyards)

STRASHUN, S.S., insh.

Pumping dredger. Sudostroenie 28 no.8:63 Ag '62. (MIRA 15:8)  
(Dredging machinery)

STRASHUN, S., inzh.

Powerful infant. Znan.ta pratsia no.8:15 Ag '62.

(MIRA 15:12)

(Dredging machinery)

STRASHUN, S.S.

Contribution of the "Lenin Forge Shop." Mashinostroitel' no.1:45  
Ja '64. (MIRA 17:2)

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653430004-5

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653430004-5"

L 43191-65 EWT(1)/EWA(h) Feb 66  
ACCESSION NR: AP5007783

S/0119/65/000/003/0004/0006

17  
7  
6

AUTHOR: Strashun, Yu. P. (Engineer)

TITLE: Some results of experimental research on triode switches 15

SOURCE: Priborostroyeniye, no. 3, 1965, 4-6

TOPIC TAGS: triode switch, semiconductor key, keyer tube, electronic controller, automatic control

ABSTRACT: Triode switches for dc voltages which consist of a valve and a semiconductor key are widely used in programming and coding devices of electronic controllers. Regardless of the type of semiconductor key, it should contain two transistors. A key group which switches two voltages is shown in fig. 1 of the Enclosure. The solid lines show single transistor keys, the dotted lines indicate keys based on two transistors. Assume that  $U_1 > U_2$ . When key  $K_1$  is saturated, voltage  $U_1$  passes to point a. Key  $K_2$  should not be conducting at this time (voltage  $U_{K_2} = 0$ ). However, transistor  $T_2$  is triggered at the base-emitter junction since  $U_1 > U_2$ ; the triggering of  $T_2$  is equivalent to a drop in its back resistance, and it

Card 1/4

L 43191-65  
ACCESSION NR: AP5007783

begins to bypass load resistor  $R_L$ . When the load resistance is reduced without changing voltage  $U_1$ , there is an increase in the residual voltage drop at saturated triode  $T_1$ . This disadvantage is eliminated by using a second transistor. When a key which uses two triodes is saturated, one of the transistors is the key triode while the other is a compensator. Base currents  $I_{B1}$  and  $I_{B2}$  increase with the negative voltage between base and collector. Key-transistor  $T_1$  is gradually saturated, i.e. its collector-emitter voltage decreases. With a considerable increase in the base current, the collector-emitter voltage reaches a minimum and begins to increase in approximation to a linear law. The sign of the collector-emitter voltage remains unchanged and is the same as that of voltage  $U_1$ . At comparatively low  $I_{B1}$  currents, the sign of the collector-emitter voltage for transistor  $T_2$  coincides with the sign of the residual voltage drop at  $T_1$ . With a further increase in the base current, the absolute value of the collector-emitter voltage decreases, passing through zero and changing sign and then increases. These phenomena were studied in a key using P15 germanium transistors. This key is used in a code-to-voltage converter. Fig. 2 of the Enclosure shows the emitter-base voltage of the key triode, that of the compensating triode and the residual voltage drop between the emitters of transistors  $T_1$  and  $T_2$  as functions of the total base current. The transistors had a current amplification factor in a common base circuit  $\alpha = 0.972$ . It was found

Card 2/5

L 43191-65

ACCESSION NR: AP5007783

that a total base current of very nearly 20 millamps is necessary to obtain a residual voltage drop of no more than 10 millivolts regardless of the parameter dispersion for the P15 triode. Orig. art. has: 4 figures, 5 formulas.

ASSOCIATION: none

ENCL: 02

SUB CODE: EC

SUBMITTED: 00

OTHER: 000

NO REF Sov: 005

3/5

STRASHUN, Yu.P., inzh.

Some results of experimental investigations of triode switches.  
Priborostroenie no. 3t4-6 Mr '65. (MIRA 18:4)

0 4524162 4MT-4)/KED-2/EWP(1) 14-4/Pg-4/Fk-4 IJP(c) BB/00/05  
ACCESSION NR: AT5014626 UR/0000/65/000/000/0079/0081  
681.142.324

AUTHOR: Fel'dman, B. Ya.; Strashun, Yu. P.; Malyavina, R. M.

37  
B\*

TITLE: Magnetic parametric null-element

SOURCE: Vsesoyuznoye soveshchanije po magnitnym elementam avtomatiki i vychislitel'noy tekhniki. 9th, Yerevan, 1961. Magnitnye analogovyye elementy (Magnetic analog elements); doklady soveshchanija. Moscow, Izd-vo Nauka, 1965, 79-81

TOPIC TAGS: parametric null element, high speed null element, high output null element, magnetic null element

ABSTRACT: Current data elements are widely used in systems linking various operating objects with computers. The AUS (Aggregate Unified System) standardizes the current scale to a maximum value of 5 mA and this, in turn, demands the design of highly reliable and sensitive magnetic null-elements. In this paper, the authors designed and described a parametron-based magnetic null-element in which: 1) the sensitivity is somewhat smaller than that of null-elements consisting of magnetic amplifiers with second harmonic output and auxiliary resonant amplifiers (the Q-factor of which, however, limits the speed of the element);

Card 1/2

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ACCESSION NR: AT5014626

O  
2) the speed is higher than in magnetic amplifiers and may be raised up to 100-  
200 Kc; 3) switching is very simple and permits the joining of a large number of  
parametric null-elements (perturbation due to nonselected or semiselectected cores  
are absent); 4) the output signal is generated on half the frequency relative  
to the power supply; this frequency is not within the frequency spectrum ob-  
tained during the pumping of the nonlinear element and can be easily separated;  
and 5) high intensity of the output signal and its significant purity make it  
possible to work with no further amplifier (or with a very simple one). Orig.  
art. has: 5 figures.

ASSOCIATION: None

ENCL: 00

SUB CODE: DP

SUBMITTED: 28Dec64

OTHER: 00

NO REF Sov: 001

Card 2/2

PASTER, I.D.; STRASHUNSKIY, A.M.; RODZEVICH, S.S., red.; ROZHIN, S.S., tekhn.  
red.

[Standardized control of mechanical drawings] Normalizatsionnyi  
kontrol' chertezhei. Moakva, Gos. izd-vo obor. promyshl., 1958.  
(MIEA 11:9)  
71 p. (Mechanical drawing--Standards)

PASTER, Iosif Davidovich; STRASHUNSKIY, Aleksandr Maksimovich;  
BEKHTEREV, V.V., inzh., retsenzent; MYSHENSKIY, N.I.,  
inzh., red.; KUREPINA, G.N., red. iad-va; SECHETININA,  
L.V., tekhn. red.

[Industrial standardization] Proizvodstvennaya normali-  
zatsiya. Moskva, Mashgiz, 1963. 241 p. (MIRA 16:7)  
(Standardization) (Simplification in industry)

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653430004-5

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653430004-5"

~~SURVEYOR~~ I. [Strášický, J.]; VATŠEK, M. [Vacek, M.]

Methods for analyzing the general morbidity of the population of  
the Czechoslovak Republic. Gig. i san. 23 no.2:92 p 158. (MIRA 11:4)  
(CZECHOSLOVAKIA--MEDICAL RECORDS)

ITRAKIL, F.

Do you already know about the further improvement of the M-3 continue for  
flax? . TTK.  
Defects of machinery during the harvest and methods of eliminating them. no. 255.

Defects of machinery during the harvest and methods of eliminating them. no. 255.

Prague, 1955, Praha, Vol. 5, no. 13, July 1955.

See: Monthly List of East European Acquisitions, (MEL), EC, Vol. 4, no. 10, Oct. 1955,  
Uncl.

STRASIMIROV, D.; OGNJANOV, M.

The effect of the summation of stress factors of different forces on the quantity of steroid hormones in human urine.  
Dokl. bolg. akad. nauk 16 no.4:425-427 '63.

1. Vorgelegt von Akademienmitglied D. Orahovats.  
(17-KETOSTEROIDS) (URINE) (STRESS)

STRASKRABA, MILAN

Share of the cultural region in the productivity of two fish-  
ponds in southern Bohemia. Rozpravy mat. CSAV 73, no. 1381-64  
'63.

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653430004-5

SIRIAK, M.

"Preliminary Information on the Distribution of the Genus Gammarus in  
Czechoslovakia", p. 212, (VESTNIK, Vol. 17, No. 3, 1953, Praha, Czech.)

SC: Monthly List of East European Accessions, (EEL), LC, Vol. 4, No. 3,  
Mar 1955, Uncl.

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653430004-5"

“*It is the first time in my life that I have been so deeply moved by a speech.*”

Sixty-four-year-old white male who had been studied at the University of Michigan for 11 years. Present status unknown. [X] 106 n.  
[X] 106 n. [X] An excellent subject; a textbook for  
the field. He has a good deal of memory, but he is  
not particularly intelligent. [X] 106 n. [X] 106 n.  
[X] 106 n. [X] 106 n.

S : INT'L B'LS OF INT'L European Agencies ( ALL ), Vol. 1, no. 1, October 1957. Urel.

Prague, 1957.

Encl.

The terrestrial amphipod Talitrus (Talitroides) alluaudi Chevreux 1896 in  
ZOOLOGISCHE, no. 50. (Czechoslovak. ZOOL. PUBL. W. D. V., Vol. 197, no. 1, 1957,  
Prague, Czechoslovakia)

2. Monthly List of East European Accessions (E.E.A.), Vol. 4, no. 12, Dec 1957. Encl.

STRASKRIBA, M.

Certain less-known Cladocera of the middle Elbe basin. p. 163.

SACOPI., ODDIL PRIRODOVEDNY. Praha, Czechoslovakia. Vol. 127, no. 2, 1958.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no.1, January 1960.  
Uncl.

MALINA, V.; RUSALEK, J.; TIBA, KRADA, M.

New methods of determining organic substances and inorganic elements in water and water organisms. Vestnik CSW 73 no.3: 27-409-16.

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653430004-5

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653430004-5"

STRASKABA, Vladimir, inz.; ZAPOROZEC, Alexandr, promovany geolog

On the importance of the 2d Hydrogeological Conference in  
Ostrava. Geol pruzkum 5 no.5:144-145 My '63.

1. Uhelný průzkum, n.p., Ostrava; Geologický průzkum, n.p.,  
zavod stavební geologie, Praha.

JETKLOVA, Jaroslava, promovana geoložka; KLÍK, Stanislav, promovany gen.-geof.,  
kandidát geologicko-mineralogických věd; ŠTĚPÁK, Vladimír, inž.

Results of the Czechoslovak-Polish conference on joint problems  
in deposit hydrogeology. Geol průzkum 6 no.5:19. My '64.

1. Geologicky pruzkum National Enterprise, Prague; Central  
Geologic Institute; Uhelný pruzkum National Enterprise, Ostrava.

STRASKY, Drahoslav; KACIREK, Milan

'Effect of tin on the structure and mechanical properties of gray  
cast iron. Slevarenske 11 no.4:160-163 Ap '63.

1. Motor, n.p., Ceske Budejovice.

JIRU, Jiri; STRASLIPKA, Miloslav

Standards of fuel consumption for road machines. Siln doprava 11 no.2:  
24-25 F '63.

1. Ustav normovani ve stavebnictvi.

Művepitőstudományi Szemle - Vol. 5, no. 3, Mar. 1955.

Pipeline construction without "tches in the Soviet Union. p. 13<sup>4</sup>.

SO: Monthly list of East European Acquisitions, (EPA), LC, Vol. 4, No. 9, Sept. 1955  
Uncl.

STRASSER, Ferenc

Provisional road with steel construction. Molyepitesstud szemle 14  
no.6:258 Je '64.

Stressed sheet piles. Ibid.:289.

New type trench excavators. Ibid.:290.

Airfields. Ibid.:291.

Railroad construction in North Siberia. Ibid.:291.

1. Editorial board member, "Molyepitesstudomanyi Szemle"

STRASSER, Ferenc

Prefabricated bridges in the Soviet Union. *Molyepitesstud*  
szemle 15 no.3:122 Mr '65.

New asphalt mixture for paving road surfaces. *Ibid.*:132

A 4,5 km long conveying belt. *Ibid.*:132

1. Editorial Board Member, "Molyepitesstudomanyi Szemle."

STRASSER, K.

Yugoslavia (430)

Science - Serials

Diplomats in Slovenia. In German. p. 13.

FRIJEDO LICOVA ZAVRŠNE. Ljubljana.

Vol. 4, 1940.

East European Acquisitions List, Library of  
Congress, Vol. 1, no. 13, November 1952.  
UNCLASSIFIED.

L P.  
LENDAI, Jozsef, Dr.; STRASSER, Laszlo, Dr.

Experiences with unified medical care based on geographical principles.  
Nepegeaszegvay 38 no. 7:165-170 July 57.

1. Kozlejeny a fóvarosi Peterfy Sandor utcai korhaz-rendelointezetbol  
(Igazgato-foorvos: Lendai Jozsef dr.)

(HOSPITALS

in Hungary, problems of assigning patients by geographical  
locations (Hung))

STRASSER, Laszlo, dr.

Present problem of training of the sub-professional medical personnel.  
Nepgeszsegugy 43 no.2:49-52 P '62.

(EDUCATION MEDICAL)

STRASSER, Tibor

Industrial enterprises in Baranya County belonging to the ministries.  
Pecsi műsz szeml 5 no.1:3-7 Ja-P '60.

BELFERT, L., Ing.; BERNI, G., Ing.; GIBSON, John

Reserves for increasing labor productivity. Constr Euc  
16 no.77612 21 N '64.

1. Institute of Building Research and Construction Economics  
(for Belfert, Gibson).

1964, Warsaw (Warszawa)

Evaluation of the cellulose market. Przegl. papier. 20  
no. 4:106-110 Ap '64.

L 18240-65 LIT(d) PG-4/Pg-4/PK-4/PI-4 IJP(z)/ASD(a)-5/AFIC(p)/SSD/  
FILET(a)/AFSIP/AFID(c)/FAEM(d)/ESD(dp) EC P/2519/54/000/005/0591/0598  
ACCESION #: A14049216

AUTHOR: Straszak, A. (Warsaw); Gutenbaum, J. (Warsaw)

TITLE: The synthesis of a self-stabilizing loop of a certain adaptive servomechanism controlled by changing the parameters

SOURCE: Polska Akademia Nauk. Instytut Podstawowych Problemów  
Techniki. Zagadnienia drzgań nietliiowych, no. 5, 1964. Druga  
Konferencja Drzgań Nietliiowych (Second Conference on Nonlinear  
Vibrations), Warsaw, Sept. 18-21, 1962, 591-598

TOPIC TAGS: system synthesis, automatic control system, self stabilizing loop, adaptive servomechanism, adaptive loop, parameter adjustment, quality criterion, Lyapunov method

ABSTRACT: In the case of automatic control systems which operate on a quality criterion which does not guarantee stable operation of the system, it is necessary to add an additional adaptive loop to the system. This article presents the operation of and a method for synthesizing a stabilizing adaptive loop in a control system in which

Card 1/2

L 18240-65

ACCESSION NR: A14049216

the motor is controlled by modulating the pulse width or changing the resistance of the rotor circuit. A modification of the second method of Lyapunov is used as the stability criterion. Conditions are chosen such that the stability of the system can be judged by means of readily measurable quantities, such as the angular velocity or the angular position of the controlled variable. In case the stability conditions are not satisfied, the stabilizing circuitry acts to decrease the amplification factor. Orig. art. has: 5 figures.

ASSOCIATION: Institute of Automation, Polish Academy of Sciences,  
Warsaw

SUBMITTED: 26Sep62

ENCL: 00

SUB CODE: IE, DP

NO REF Sov: 000

OTHER: 000

Card 2/2

L 21857-65 EWT(d)/EPF(n)-2 Po-4/Pq-4/Pg-4/Pu-4/Pk-4/P1-4 IJP(c)/ASD(a)-5/  
SSD/ASD(f)-3/AFIDC/AFMD(p)/AFETR/AFTC(p)/RAEM(a)/RAEM(d)/ESD(dp) W/BC  
ACCESSION NR: AP4046460 P/0031/64/009/002/0167/0177

B

AUTHOR: Straszak, A. (Strashak, A.)

TITLE: A particular problem of supervisory control

SOURCE: Archiwum automatyki i telmechaniki, v. 9, no. 2, 1964, 167-177

TOPIC TAGS: automation, automatic control system, supervisory control, control theory,  
optimal control system

ABSTRACT: The paper formulates the problem of supervisory control, the purpose of which is to optimize local optimal control systems having a common source of control signals. The problem of an optimal control system as an object of control is investigated analytically and the conclusion reached confirms the expectation that an optimal control system can be an object of supervisory control provided there is a possibility of appropriately limiting the control signal. This means that by employing a supervisory control it is possible to improve the overall control without the necessity of changing to a system having a single multi-dimensional controller. It is noted that if, for example, the supervisory control is limited to the control of local systems only at the initial moments, then the objects of supervisory control will show an inertial-free characteristic, thus making it possible to achieve optimization rapidly as well as to use a single system of supervisory

Card 1/2

L 21857-65

ACCESSION NR: AP4046460

control over many assemblies of overall control. Since, in a supervisory control, there are many local control systems, three new criteria of quality are introduced (summation criterion, minimax criterion, and equal-cost criterion) and discussed. Two examples of supervisory control are discussed. One example can be reduced to a problem of linear programming which can be solved using the simplex method. In the other example a very simple unit of overall control consisting of two control systems is discussed. The local systems consist of the same integrating objects which have transfer-type controllers. In this example the problem of supervisory control is formulated as a problem of nonlinear programming. The relationship between supervisory control and multi-dimensional control is briefly discussed. Orig. art. has: 6 figures and 48 formulas.

ASSOCIATION: Zaklad Teorii Sistem Automatyki PAN (Department of  
Control Theory, Institute of Automation, PAN)

SUBMITTED: 05Feb64

ENCL: 00

SUB CODE: IE

NO REF SOV: 001

OTHER: 007

Card 2/2

2n(1)

307/101-58-4-3/28

AUTHOR:

Strashak, Andzhey, Post-graduate Student

TITLE:

Synthesis of Some Optimum Systems of Automatic Control  
(Sintez nekotorykh optimal'nykh sistem avtomaticheskogo  
upravleniya)

PERIODICAL:

Vauchnyye doklady vysshyey shkoly. Elektronika i  
avtomatika. 1958, Nr 4, pp 13-19 (USSR)

ABSTRACT:

The comprehension of an optimum process was introduced for the first time into the theory of automatic control by A. A. Fel'dbaum (Ref 1). Here a method is proposed for the synthesis of processes operating differently from optimum processes and becoming optimum processes. The purpose of the stabilization- and servo systems is the best possible approximation of the steered coordinates to the steering coordinates. Therefore this problem is equivalent to that of the approximation of a function. It is shown that it is necessary and sufficient for the determination of an optimum process to know only the functional which determines the quality of the steering and of the limit. But it is not

Card 1/3

SOV/151-58-4-3/28

Synthesis of Some Optimum Systems of Automatic Control

necessary to know exactly the dynamics of the object . Hence it follows that the concerning optimum process is equal for a series of objects under the condition that the limits are constant. Therefore the synthesis of such systems is investigated here, at which the limits imposed on the system do not alter. It is shown that in this case the optimum operation can be realized by using a model of an optimum process, or an extrapolator. At this a continuous solution of the optimalizing problem by means of the search-method or an other method is not necessary. Finally an example is given. There are 5 figures and 14 references, 6 of which are Soviet.

ASSOCIATION: Kafedra avtomatiki, telenekhaniki i matematicheskikh mashin  
Moskovskogo energeticheskogo instituta  
(Chair of Automation, Telemechanics, and Mathematical  
Machines of the Moscow Institute of Power Engineering)

Card 2/3

STRASHAK, A., Candidate Tech Sci (diss) -- "Some problems in the theory and synthesis of self-optimizing systems of automatic control". Moscow, 1959. 12 pp (Min Higher Educ USSR, Moscow Order of Lenin Power Engineering Inst), 150 copies (KL, No 24, 1959, 141)

S/044/62/000/005/060/072  
C111/C444

AUTHOR: Straszak, A.

TITLE: Theory of scanning controls

PERIODICAL: Referativnyj zhurnal, Matematika, no. 5, 1962, 62,  
abstract 5V545. ("Arch. automat. i telemeh.", 1961, 6,  
no. 2-3, 217-234)

TEXT: A detailed survey of the lectures on scanning controls  
which were held on the first congress of the IFAC. Considered are lec-  
tures on the theory of linear scanning systems, on statistic methods  
for their calculation, on optimal systems, on the theory of non-linear  
systems, and on digital systems.

Abstracter's note: Complete translation.]

Card 1/1

STRASZAK, A.A., dr ins.; GUTENBAUM, J., mgr ins.

"Outlines of operative automatic control" by Erwin Samal.  
Reviewed by A.A.Straszak, J.Gutenbaum. Podiary 8 no.8:396 Ag  
'62.

L 10216-66 EPF(n)-2/EWP(1) IJP(c) NY/BC  
ACC NR: AP5023974

SOURCE CODE: P0/0031/65/010/002/0171/0188

AUTHOR: Straszak, A.—Strashak, A.

ORG: Department of Control Theory, Institute of Automation, Polish Academy of Sciences (Zaklad teorii sterowania Instytutu automatyki PAN)

TITLE: The partitioning problem in a large-scale multivariable control system

SOURCE: Archiwum automatyki i telemechaniki, v. 10, no. 2, 1965, 171-188

TOPIC TAGS: automatic control technology, linear automatic control, nonlinear automatic control, optimal automatic control

ABSTRACT: An optimal control problem for a large-scale multivariable control system was investigated. The basic difference between the optimal control problem in a multivariable control system and the optimal control problem in a large-scale multivariable control system is that in the latter the "control algorithm realization cost index" must be introduced. An analytical expression for this kind of constraint was obtained. For a linear optimal controller this cost index may be expressed as:  $K = nW + n^2P$ , where  $n$  is the dimension of the state vector, and  $W$  and  $P$  are parameters. In general,  $K$  is a function of  $n$  and structure. Minimization of the cost index  $K$  by aggregation and partitioning of variables is introduced. Optimal aggregation and partitioning for a linear multivariable control system is obtained and certain simple examples are described. Orig. art. has: 14 figures. [Based on author's abstract.]

Cord 1/2

[NT]

L 18816-66

ACC NM AP5023974

SUB CODE: 09, 13/ SUBM DATE: 03Feb65/ ORIG REF: 001/ OTH REF: 003/

Cord 2/2 JWW

STRASZAWSKI, T.

Remarks on the new smoked-meat plant in Poznan.

p. 9  
Vol. 7, no. 7, July 1955  
GOSPODARKA MIESZNA  
Warszawa

SO: Monthly list of East European Accessions (EEL), LC, VOL. 5 no. 2  
Feb. 1956

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653430004-5

APPROVED FOR RELEASE: 08/26/2000

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RECORDED, 14

RECORDED, 14  
14.1

RECORDED, 14.2  
14.2

RECORDED, 14.3  
14.3

14.4

SIPAS EKICZ, L.

The suburban area of Lodz, p. 182. (PRZEGIAD GEORGICZNY, POLISH GEOGRAPHICAL REVIEW,  
Warszawa, Vol. 26, no. 4, 1954.)

SC: Monthly list of East European Acquisitions, (EFAT , LC, Vol. 4, No. 1, Jan. 1955, Uncl.

Vol. 47, No. 1, 1957

State Dept., U.S. Department of State, Washington, D.C.  
March 1957

Vol. 47, No. 1, 1957  
CIA  
Central Intelligence Agency  
Washington, D.C.  
Washington, D.C.

See also: "U.S. Accordance," Vol. 6, No. 3, March 1957

DEPARTMENT, I.

Location of plants of employment and residence in the Gdansk Industrial District. P. 77.  
(POLSKA STATYSTYCZNA. R. 1956. ZEGAROWICZNA. Vol. 22, no. 4, 1956,  
Poland).

cc: Monthly List of East European Accessions (EAA) 17, Vol. 6, no. 6, June 1957. Incl.

KV/10-99-3-19/73

**AUTHOR:** Alenpolsz, F.W.

**TITLE:** An International Conference on Problems of Division into Economic Regions

**PUBLICATION:** *Investigacjy statystyczne 3339*, Warszawa: Wydawnictwo Naukowe PWN, 1959, Nr 3, pp 117-120 (758)

**ABSTRACT:**

The above mentioned conference took place on 29 May - 1 June 1959 in Szczecin (Poland). In the second part the following Polish geographers reported on different economic problems of division into economic regions: S. Radkowska - on workers' commuting in the Szczecin agglomeration; W. Dobrowski - on the influence of industrialisation on the formation of regions and on the types of inhabited centers; A. Kozłowski - on the analysis of the bases of principles of development of economic regions as shown by the example of study of the Lódz Industrial District; A. Trąbka - on the joint regions of passenger transportation in Poland; and J. Kapidzki - on the study of the sphere of influence of Polish small towns. Other reports were read by Professor I. Šmidák (Czechoslovakia) - on "Immigration Basis of Czech Towns"; Dr. Mariana (Bulgaria) - on "Methods of Study of Economic Connections and Inter-regional Exchange"; Dr. Blažek (Czechoslovakia) - on "Problems of Development of Poorly Developed Regions of the Czech Republic"; Dr. Szabó (Hungary) - on "Method of Delimitation of Agricultural Regions"; and Dr. Schmidtbauer (F. Germany) on the "Problems of Regional Economics". Reports were also read by G. Tulleke (Belgium) and A. Hinschbaek (F. Germany). Finally the last report on "The Economic Region in Economic Geography and in Perspective Planning" was read by Professor J. M. Mańkiewicz in which he tried to establish basic elements of planning and to generalise some of the problems of division.

Card 3/3

STRASZEVICZ, Ludwik, docent, dr.

The Lodz industrial district as a subject of investigations of  
economic geography. Przegl. geogr. Suppl. to v.31:69-91 '59.  
(KBAI 9:6)

1. Head of the Department of Economic Geography of the  
Geographical Institute of the Lodz University, Lodz.  
(Poland --Cities and towns)

STRASZEWICZ, Ludwik, doc., dr. (Lodz, ul. Orzeszkowej 9)

"Problems of the metropolis" edited by J.H.Schultze. Reviewed by  
L.Straszewicz. Czasopismo Geograficzne 32 no.2:244-245 '61.

1. Lodz, Uniwersytet.

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The Bulgarian textile industry. Przegl geogr 33 no.4:663-678 '61.

Strzelczyk, Ludwik (Lodz)

"Geography and action; introduction to applied geography" by M.  
M. Lipponeau. Reviewed by Ludwik Strzelczyk. Czasop. geograf. 33  
no. 3:365-366 '62.

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The French textile industry and its role in the national economy  
of France. Przegl geogr 34 no.2:309-331 '62.

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Poland

no title given

no affiliation given

Warsaw, Przeglad Geograficzny, Vol 34, No 3,  
1962, pp 607-08.

Book review:

HRUSKA, E., Development of Urban Construction,  
(Vyvoj stavby miest), Bratislava 1961, 370 pages.

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"Megalopolis - the urbanized northeastern seaboard of the  
United States" by J.Gottmann. Reviewed by Ludwik Straszewicz.  
Przegl geogr 34 no.4:785-787 '62.

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Traumatic rupture of the gallbladder. Pol. przegl. chir. 34 no.8:  
833-835 '62.

1. Z Oddzialu Chirurgii Urazowej Szpitala Miejskiego w Gliwicach  
Ordyantor: dr J. Skorko [deceased].  
(GALLBLADDER SESES) (ABDOMINAL INJURIES)

*[Handwritten notes and diagrams]*  
Heppes, A. Beweis einer Vermutung von A. Vássy. 47, 3-49.  
Acta Math. Acad. Sci. Hungar. 7 (1956) 47, 3-49.  
(Küssensummary)

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4

Straszewicz, S. Sur un problème géométrique de P. Erdős. Bull. Amer. Math. Soc. 53 (1947), 37-45, IV-V. (Russian summary)  
The author proves independently the following conjecture of Vássy. Let there be given  $n$  points  $x_1, x_2, \dots, x_n$  in the  $d$ -dimensional space. Assume that the diameter of this point set is 1, then there are at most  $2n - 2$  points whose distances to the center of a parallel  $(d-1)$ -dimensional hyperplane are less than  $\frac{1}{2}$ . This is a relation on parallelism.

P. Erdős (Hung.)

Snow

1

SYNTHETIC SPHERICAL TRIGONOMETRY de Lubatchevsky.

Zentralblatt für Mathematik, 1911, p. 222.

The author gives new proofs of the fundamental theorems of hyperbolic trigonometry, which are based only on the theorem that the sum of the angles of a triangle is  $< \pi$ , the axiom of Archimedes and certain theorems which can be deduced from axioms I, II and III of Hilbert's system.

L. A. Santilli

2  
1-FW

REF ID: A6425

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1126, 1127, 1128, 1129, 1129, 1130, 1131, 1132, 1133, 1134, 1135, 1136, 1137, 1138, 1139, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1146, 1147, 1148, 1149, 1149, 1150, 1151, 1152, 1153, 1154, 1155, 1156, 1157, 1158, 1159, 1159, 1160, 1161, 1162, 1163, 1164, 1165, 1166, 1167, 1168, 1169, 1169, 1170, 1171, 1172, 1173, 1174, 1175, 1176, 1177, 1178, 1179, 1179, 1180, 1181, 1182, 1183, 1184, 1185, 1186, 1187, 1188, 1189, 1189, 1190, 1191, 1192, 1193, 1194, 1195, 1196, 1197, 1198, 1198, 1199, 1199, 1200, 1201, 1202, 1203, 1204, 1205, 1206, 1207, 1208, 1209, 1209, 1210, 1211, 1212, 1213, 1214, 1215, 1216, 1217, 1218, 1219, 1219, 1220, 1221, 1222, 1223, 1224, 1225, 1226, 1227, 1228, 1229, 1229, 1230, 1231, 1232, 1233, 1234, 1235, 1236, 1237, 1238, 1239, 1239, 1240, 1241, 1242, 1243, 1244, 1245, 1246, 1247, 1248, 1249, 1249, 1250, 1251, 1252, 1253, 1254, 1255, 1256, 1257, 1258, 1259, 1259, 1260, 1261, 1262, 1263, 1264, 1265, 1266, 1267, 1268, 1269, 1269, 1270, 1271, 1272, 1273, 1274, 1275, 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1575, 1576, 1577, 1578, 1579, 1579, 1580, 1581, 1582, 1583, 1584, 1585, 1586, 1587, 1588, 1589, 1589, 1590, 1591, 1592, 1593, 1594, 1595, 1596, 1597, 1598, 1598, 1599, 1599, 1600, 1601, 1602, 1603, 1604, 1605, 1606, 1607, 1608, 1609, 1609, 1610, 1611, 1612, 1613, 1614, 1615, 1616, 1617, 1618, 1618, 1619, 1620, 1621, 1622, 1623, 1624, 1625, 1626, 1627, 1628, 1629, 1629, 1630, 1631, 1632, 1633, 1634, 1635, 1636, 1637, 1638, 1639, 1639, 1640, 1641, 1642, 1643, 1644, 1645, 1646, 1647, 1648, 1649, 1649, 1650, 1651, 1652, 1653, 1654, 1655, 1656, 1657, 1658, 1659, 1659, 1660, 1661, 1662, 1663, 1664, 1665, 1666, 1667, 1668, 1669, 1669, 1670, 1671, 1672, 1673, 1674, 1675, 1676, 1677, 1678, 1679, 1679, 1680, 1681, 1682, 1683, 1684, 1685, 1686, 1687, 1688, 1689, 1689, 1690, 1691, 1692, 1693, 1694, 1695, 1696, 1697, 1698, 1698, 1699, 1699, 1700, 1701, 1702, 1703, 1704, 1705, 1706, 1707, 1708, 1709, 1709, 1710, 1711, 1712, 1713, 1714, 1715, 1716, 1717, 1718, 1718, 1719, 1720, 1721, 1722, 1723, 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Stefan Kulczycki; an obituary. Rocznik matematyczny 4 no.2:151-154 '61.

(Kulczycki, Stefan) (Mathematicians, Polish)

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MICHAŁ, Rudolf, inż. (Bydgoszcz); MIKOŁAJEK, Stefan, prof. dr

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20 no. 6: 381-383 '64.

1. Vice-president of the International Commission of  
Education in Mathematics (for Straszewicz).

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difference between anticonceptive and antibiotic in "reducing  
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12. 123 Ap 165.

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J. J. A  
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536 880025  
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the machinery to be served. Measurements and tests carried out by  
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POL/19-8-3-6/10

AUTHOR: Straszewski, A. and Sliwiński, T.

TITLE: Analyzer for Calculating Induction Motors

PERIODICAL: Archiwum elektrotechniki, 1959, Vol 8, Nr 3, pp  
469-498 (Poland)

ABSTRACT: The article describes an analyzer for calculating induction motors, built by the authors, under the direction of Professor, Doctor, Engineer Dubicki, B. A block scheme of the main circuit of this analyzer will be found in Fig 14 and a front, side and rear view in Fig 15. The performance of induction motors is usually calculated by analytic methods or graphical methods such as circle diagrams, on the basis of an equivalent circuit. These calculations tend to be complex in the case of motors with high bars in the rotor or double squirrel cage motors and even more so in case of single phase motors. The authors describe here the Monroe network calculator built by the Westinghouse Corp. for calculating the performance ✓

Card 1/2

POL/19-8-3-6/10

Analyzer for Calculating Induction Motors

equivalent circuits of different kinds of induction motors. By measuring voltage, current and power in the circuit, the performance of the motor may be predicted. The equivalent circuit is made up of a decade set of resistances, reactances and capacitances, its characteristic feature being the substitution of reactances for capacitances and vice-versa. This makes for greater accuracy in calculation since losses in capacitors are much smaller than losses in choke coils. The authors at this point reproduce at length the results of preliminary measurements made on model circuits. They consider that these results fully justify their initial assumptions. An analysis of unit values of resistances and reactances was performed and the limits of the possible values of circuit constants for motors of different powers and voltages were determined. As far as the analyzer's power supply is concerned, a frequency of 500 cycles.

Card 3/5

POL/19-3-3-6/10

Analyser for Calculating Induction Motors

a voltage of 50 volts and a current of 25 milliamps. were chosen. Table 5 sums up the measurements made by the authors. A comparative study of these shows that the differences between them are small. In the opinion of the authors, the errors that do appear are to be accounted for by the imperfection of the materials used especially for resistances and capacitances, also by the high power consumption of the measuring circuit. There is every reason to believe that once these shortcomings have been overcome, the calculations will be still more accurate. The article ends with descriptions of the general structure of the analyser and of the power, measuring and modelling circuits. There are 5 tables, 21 layout diagrams, 1 graph and 14 references, 1 of which is Polish, 2 Soviet, 3 German and 2 English.

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SUBMITTED: December 17, 1958

Card 4/5

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Analyzer for calculating induction motors. p.68

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